



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs  
Antimicrobials Division (7510P)  
1200 Pennsylvania Ave., N.W.  
Washington, D.C. 20460

EPA Reg. Number:

1839-253

Date of Issuance:

5/19/20

NOTICE OF PESTICIDE:

☒ Registration  
☐ Reregistration  
(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

Petrocide GD-2406

Name and Address of Registrant (include ZIP Code):

Lael Jimenez  
Sr. Regulatory Scientist  
Stepan Company  
1135 Skokie Boulevard  
Northbrook, IL 60062

**Note:** Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Antimicrobials Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A). You must comply with the following conditions:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product under FIFRA when the Agency requires all registrants of similar products to submit such data.

Signature of Approving Official:

Steven Snyderman, Acting Product Manager 33  
Regulatory Management Branch 1  
Antimicrobials Division (7510P)  
Office of Pesticide Programs

Date:

5/19/20

2. You are required to comply with the data requirements described in the DCI identified below:

- a. Glutaraldehyde GDCI-043901-1668
- b. DDAC GDCI-069149-30969

You must comply with all of the data requirements within the established deadlines. If you have questions about the Generic DCI listed above, you may contact the Reevaluation Team Leader (Team 36): <http://www2.epa.gov/pesticide-contacts/contacts-office-pesticide-programs-antimicrobial-division>

3. Make the following label changes before you release the product for shipment:

- Revise the EPA Registration Number to read, “EPA Reg. No. 1839-253.”

4. Submit one copy of the final printed label for the record before you release the product for shipment.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

If you fail to satisfy these data requirements, EPA will consider appropriate regulatory action including, among other things, cancellation under FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated 04/14/2020

If you have any questions, please contact Terria Northern by phone at 703-347-0265, or via email at [northern.terria@epa.gov](mailto:northern.terria@epa.gov).

Enclosure: stamped label

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**DANGER.** Corrosive. Causes irreversible eye damage and skin burns. May be fatal if inhaled. Harmful if swallowed or absorbed through the skin. Do not get in eyes, on skin, or clothing. Do not breathe vapor or spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wear the proper Personal Protective Equipment (PPE) as specified below.

#### Personal Protective Equipment (PPE)

Mixers, loaders, applicators, and other handlers must wear the following:

- Eye protection or goggles
- Coveralls worn over long-sleeved shirt and pants
- When mixing and loading wear a chemical-resistant apron.
- Chemical-resistant gloves
- Long-sleeved shirt and long pants
- Socks and chemical-resistant shoes
- Wear a minimum of NIOSH-approved particulate filtering facepiece respirator with any N, R, or P filter; OR a NIOSH-approved elastometric particulate respirator with any N, R, or P filter; OR a NIOSH-approved powdered air purifying respirator with a HE filter

#### Statements for Contaminated PPE

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent material that have been drenched or heavily contaminated with the product's concentrate. Do not reuse them.

#### User Safety Recommendations

Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing. Wash outside of gloves before removing.

In a chemical emergency, call [insert service or company name] at [insert phone number]. Before using consult material safety data sheet. To request a material safety data sheet, contact [insert contact information].

## ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

# PETROCIDE GQ-2406

## ACTIVE INGREDIENTS

Glutaraldehyde ..... 24.0%  
Didecyl dimethyl ammonium chlorides ..... 6.0%

**INERT INGREDIENTS** ..... 70.0%  
**TOTAL** ..... 100.00%

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

## KEEP OUT OF REACH OF CHILDREN DANGER / PELIGRO

[Note to Reviewer: In accordance with 40 CFR 156.68(d), all first aid statements, as prescribed, will appear on the front panel of the product label.]

#### FIRST AID

**Have the product container or label with you when calling a poison control center or doctor, or going for treatment.**

**If in eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**If on skin or clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

**If inhaled:** Move a person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice.

**If swallowed:** Call a poison control center or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

**NOTE TO PHYSICIAN:** Aspiration may cause lung damage. Probable mucosal damage may contraindicate the use of gastric lavage.

**You may contact [insert phone number] for emergency medical treatment information. For non-emergency and general information on product use, etc., information pertaining to this product, call the National Pesticides Information Center at (800) 858-7378. You may also contact (800) 222-1222, the poison control center, for emergency medical treatment information.**

SEE SIDE PANELS FOR ADDITIONAL PRECAUTIONARY STATEMENTS

#### NET CONTENTS:

EPA REG. NO. 1839-XXX  
EPA EST. NO. 1839-IL-01

#### STEPAN COMPANY

22 West Frontage Road  
Northfield, IL 60093 USA

(PETROCIDE GQ-246 used throughout this document may be replaced with the marketed product brand name.)

## STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

**PESTICIDE STORAGE** – Store (**Petrocide GQ-246**) (**Product name**) in original container at room temperature. Keep this product under locked storage sufficient to make it inaccessible to children.

**PESTICIDE DISPOSAL** – Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

#### CONTAINER HANDLING:

**Nonrefillable container.** Do not reuse or refill this container. Triple rinse container promptly after emptying. Triple rinse as follows: Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip back and forth several times. Turn the container over onto its other end and tip back and forth several times. Follow Pesticide Disposal instructions for rinsate disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

**Refillable container.** Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning of the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean container before final disposal, empty contents into application equipment and triple rinse. Pour or pump rinsate into application equipment or rinsate collection system. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

**ACCEPTED**

**05/19/2020**

Under the Federal Insecticide, Fungicide  
and Rodenticide Act as amended, for the  
pesticide registered under  
EPA Reg. No. 1839-253

## DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

### WATER TREATMENT MICROBIOCIDES FOR BUILDING AND INDUSTRIAL COOLING TOWERS SYSTEMS

#### Cooling Towers, Air Washers, Industrial Scrubbing Systems/Recirculating Cooling and Process Water Systems

This product should only be used in industrial air washers and air washer systems which have mist-eliminating components.

For best results, clean heavily contaminated systems before treatment with this product. If soap or anionic detergent is used, rinsed thoroughly before charging with this algicide. Repeat every seven days or increased frequency if needed. Should slime develop again, repeat initial dosage. This product should be added to a water treatment system at a point of uniform mixing such as the basin area. Addition may be made intermittently (Slug Dose) or continuously. Badly fouled systems can be shock treated with this product. Under these conditions, blow down should be discontinued for up to 24 hours.

This product must be applied when the system is in jeopardy of being affected or after cleaning systems where efficiency is already impaired. (Tower bleed off valves must be closed to permit a retention time of 4 hours.)

#### Intermittent (Slug Dose) Method

**Initial Dose:** When the system is noticeably fouled, add 21 – 42 ounces of product per 1000 gallons of water to the system. Repeat until control is achieved.

**Subsequent Dose:** When microbial control is evident, add 8.5 – 21 ounces of product per 1000 gallons of water to the system weekly, or as needed to maintain control.

#### Continuous Feed Method

**Initial Dose:** When the system is noticeably fouled, add 21 – 42 ounces of product per 1000 gallons of water in the system.

**Subsequent Dose:** Maintain this treatment level by starting a continuous feed of 4 – 21 ounces of product per 1000 gallons of water.

### HEAT TRANSFER SYSTEMS (Evaporate Condensers, Hydrostatic Sterilizers and Retorts and Pasteurizers and Warmers).

This product should be used at the same application rates, and in the same manner as described above. It should be added to the system at a point of uniform mixing such as the basin area, sump area, or other reservoir or collecting area from which the treated water will be circulated uniformly throughout the system.

### SERVICE WATER AND AUXILIARY SYSTEMS

Add 4 – 21 ounces of this product per 1000 gallons of water in the system continuously. This product must be added to the system at a point of uniform mixing by slug or intermittent feed or by spraying onto a waste pile. The frequency of feed or spray and the duration of treatment will depend upon the severity of the contamination. Additions to water system must be made during the pumping operation and as close to the pump as possible to ensure adequate mixing.

### INDUSTRIAL WASTEWATER SYSTEMS (Wastewater Systems, Wastewater Sludge, and Wastewater Holding Tanks)

This product is added to a wastewater system or sludge at a convenient point of uniform mixing such as digester. Add 13 ounces of product per 1,000 gallons of wastewater or sludge.

## WATER TREATMENT MICROBIOCIDES FOR OIL & GAS FIELD SYSTEMS

### WATER FLOODS

This product should be added to a water flood system at a point of uniform mixing such as the area of addition of makeup water to the holding tank. **Continuous Use:** Add 1.7 – 83 gallons of this product per 10,000 gallons of flood water to control slime forming and sulfate reducing bacteria.

**Intermittent Use Treatment:** When the system is noticeably contaminated, add 1.7 – 83 gallons of this product per 10,000 gallons of flood water for 4 – 8 hours per day, one to four times a week as needed to maintain control. **Subsequent Dose:** When microbial control is evident, add 20 – 5,000 ppm product (0.02 – 4.5 gallons product per 1000 gallons flood water) weekly, or as needed to maintain control. **Treatment of flow back return water (Post Hydraulic Fracturing):** Add 1.7 – 83 gallons of this product per 10,000 gallons of flood water for 4 – 8 hours per day, one to four times a week as needed to maintain control.

### OILFIELD INJECTION AND WASTE WATER:

This product should be added to the water handling system at a point of uniform mixing such as the area of addition of makeup water to the holding tank.

**Continuous Injection:** Add 13 ounces of this product per 1000 gallons of water when the system is noticeably fouled. When microbial control is evident, add this product at 6.5 ounces of this product per 1000 gallons of water to maintain control.

**Batch Treatment:** Add this product at 77 ounces per 1000 gallons of water over a period of 4-6 hours one or more times per week when the system is noticeably fouled. When microbial control is evident, add this product at 38 ounces per 1000 gallons of water over a period of 4-6 hours one or more times per week.

### (FRACTURING FLUIDS) (AND)(OR) (STIMULATION FLUIDS)

This product should be added to a (fracturing fluid) (and) (or) (stimulation fluid) water storage tank or directly into well head injection pipeline as the water is being pumped down-hole. **Dosage:** (This product) (Product name) is added at 1.7 – 83 gallons per 10,000 gallons of flood water to control slime forming and sulfate reducing bacteria.

### DRILLING, COMPLETION, AND WORKOVER FLUIDS, MUDS

This product should be added to a drilling fluid system at a point of uniform mixing such as a circulating tank, holding or mud tank. **Initial Treatment:** Add 0.1 – 1.7 gallons product per 1000 gallons of freshly prepared fluid. **Maintenance Dosage:** As the total volume of the system increases due to increased well depths, add 0.1 – 1.7 gallons of product per 1 per 1000 gallons of freshly prepared fluid.

### PACKER FLUIDS

This product should be added to a packer fluid at a point of uniform mixing such as a circulation holding tank. Add 0.8 – 10 gallons product per 10,000 gallons to a freshly prepared fluid depending on the severity of contamination. Seal the treated packer fluid in the wall between the casing and production tube.

**GAS STORAGE WELLS AND SYSTEMS**

Individual injection wells are to be treated with 17 – 83 gallons of this product per 1000 gallons of water. Injection takes place before gas is injected (during the summer). Repeat injections annually, or as needed to maintain control.

Individual drips should be treated with 0.5 – 5.4 gallons of product to 1000 gallons of water present in the drip. Repeat injections annually, or as needed to maintain control.

**PIPELINE PIGGING AND SCRAPING OPERATIONS**

Add this product to a slug of water immediately following the scraper. Ideally, this water volume can be kept to a minimum and contained between the scraper and trailing pig. Add 0.2 – 17 gallons of product to 1000 gallons of water depending on the length of the pipeline and the severity of the biofouling.

**HYDROTESTING**

Water used to hydrotest pipelines or vessels should contain 0.2– 6.7 gallons of product per 1,000 gallons of water depending on water quality and the length of time the equipment remains idle.

**OIL AND GAS PRODUCTION AND TRANSMISSION PIPELINES AND SYSTEMS**

This product is added to an oil/gas production or transmission line via direct injection. The application is conducted to ensure maximum distribution of this product throughout the entire internal pipeline surface by adding enough biocide to detect/measure a residual concentration at the back end of the pipeline system. Criteria for success of the treatment will be a reduction in bacterial counts and/or reduced corrosion rates. To facilitate application, it may be desirable to dilute the product with an appropriate solvent immediately before use. The concentration of product in the solvent must not fall below a range of 0.45 – 4.5 gallons of product to 1000 gallons of water based on volume of water in the pipeline. Injections should be made weekly, or as needed to maintain control.